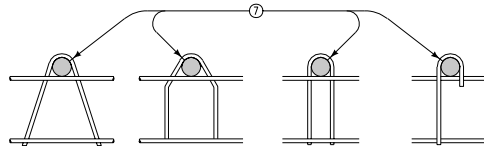
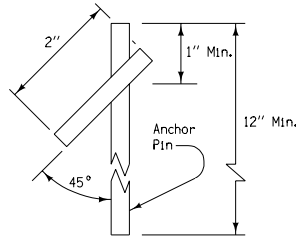


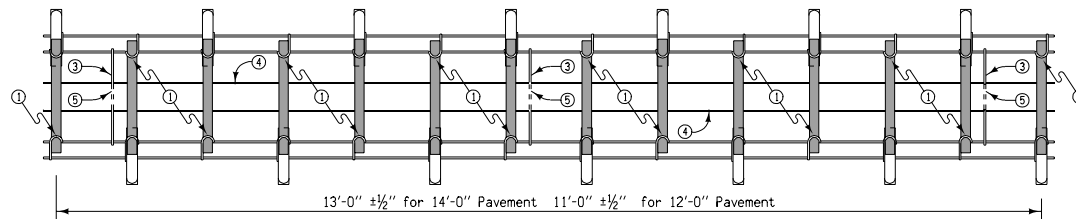
SECTION THRU EXPANSION JOINT



OPTIONAL LEG ASSEMBLIES

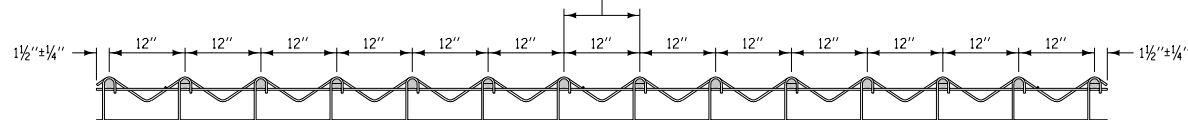


ANCHOR PIN DETAILS



PLAN VIEW

Spaces between dowel bars are nominal dimensions with a 1/4" allowable tolerance.



ELEVATION

JOINT OPENING AND EXPANSION TUBE EXTENSION		
Joint Type	(X)	Minimum Tube Length
"ED"	1"	6"
"EE"	2"	7"
"EF"	4"	9"


DOWEL HEIGHT AND DIAMETER		
(T)	(DH) (6)	Diameter
7.0"-7.5"	3.5"	3/4"
8.0"-9.5"	4.25"	1 1/4"
10.0"-11.5"	5.25"	1 1/2"
12.0"-13.0"	6.25"	1 1/2"

GENERAL NOTES:

Dowel bars shall be 18" long with a tolerance of $\pm 1/8"$. The centerline of individual dowels shall be parallel to the other dowels in the assembly within $\pm 1/8"$.

Wire size shown are minimum required, and the wire shall have a minimum tensile strength of 50 KSI.

- ① Weld alternately thru-out.
- ② #1/0 gauge (.306" diameter) wire
- ③ (3) #10 gauge (.135" diameter) wire, tie wire welded or friction fit to top longitudinal wire, both sides.
- ④ .250 dia. wire minimum
- ⑤ Clip and remove center portion of tie during field assembly.
- ⑥ Measured from the centerline of dowel bar to bottom of support wire +1/4".
- ⑦ Diameter of bend around dowel is dowel diameter +1/8" to .316".
- ⑧ Anchor pins shall be #1/0 gauge (.306" diameter) wire and shall prevent movement of assembly during construction.

 Iowa Department of Transportation Highway Division	
STANDARD ROAD PLAN RH-56	
REVISION: Modify table and revise circle notes.	REVISION NO. 5
APPROVED BY DESIGN METHODS ENGINEER <i>William J. Allen</i>	REVISION DATE 04-20-04
FABRICATION DETAILS EXPANSION JOINT DOWEL ASSEMBLY	